Release A CDR RID Report

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Section **Page** **Figure Table** KL-2

Category Name Planning (PLS) Design **Actionee** ECS
Sub Category
Subject Use of the Production Planner during AI&T

Description of Problem or Suggestion:

Algorithm Integration and Test is a dedicated ground event, performed in a closed, non-production environment. The AI&T team needs the capability to run a planned, full-up production test, using Production Requests, Data Processing Requests, PGE Profiles, etc., to verify that all of the pieces are set up correctly prior to submitting the science software as complete and ready to be commissioned.

Originator's Recommendation

GSFC Response by: **GSFC Response Date**

HAIS Response by: Jacob Eisenstein **HAIS Schedule** 10/25/95
HAIS R. E. Mark Shannon **HAIS Response Date** 11/1/95

The RID description suggests that Algorithm Integration & Test capabilities require the use of the Planning Subsystem applications to support a run of a planned, full-up production test, using Production Requests, Data Processing Requests, PGE Profiles, and other PDPS Database entities to verify that all of the pieces are set up correctly prior to submitting the science software as complete and ready to be commissioned.

This RID is mainly a DAAC policy and system management issue. The PDPS applications can support this need, if it is consistent with DAAC policy. There are no additional capabilities that need to be developed by Planning or Processing CSCI applications to support the run of a planned, full-up production test. Currently, there is only one set of Planning software applications used by a DAAC. These applications can be used to plan production on a set of science processing hardware resources. The science processing hardware resources are configured to support production or Algorithm Integration & Test, if desired.

The recommended approach for use of the Planning Subsystem applications for production test is to do so with a separate instance of the Planning Subsystem itself to support AI&T planning. The current production plan would schedule an AI&T ground event, to reserve the computer resources for AI&T for the block of time during which the production test is to be run. A plan for the AI&T production test would be developed using the second instance of the Planning Subsystem, then activated and executed using a corresponding second instance of AutoSys. Operations staff would need to ensure that AI&T test activities are concluded by the end of the period reserved for this ground event.

In summary, the Planning Subsystem design supports full-up standard production testing. It will be a DAAC policy issue to determine the proper configuration of the science processing hardware resources necessary to support algorithm integration and test in this manner.

Status **Closed** **Date Closed** **11/15/95** **Sponsor** **Kempler**

****** **Attachment if any** ******